

What is claimed is:

1. A stack type heat exchanger including a plurality of unit frames stacked on one another, each unit frame including a tube made by combining a pair of plates and forming a path for refrigerant and upper and lower tanks disposed at upper and lower ends of the tube, a radiation fin provided between the stacked tubes, and an inlet pipe and an outlet pipe provided at one side of the unit frames through which refrigerant enters and is exhausted, the stack type heat exchanger comprising:

5           a first burr formed in the lower tank to protrude in a direction opposite to a direction in which the refrigerant flows; and

10           a second burr formed in the upper tank to protrude in the same direction as the direction in which the refrigerant flows.

2. The stack type heat exchanger as claimed in claim 1, wherein the tube of each of the unit frames comprises a pair of first and second tubes which are parallel to and independent of each other, the lower tank of each of the unit frames comprise first and second tanks which are connected to the first and second tubes, respectively, and independent of each other, the upper tank of each of the unit frames comprise third and fourth tanks which are connected to the first and second tubes, respectively, and independent of each other, the first through fourth tanks are 15 brazing combined in a direction of the same axis such that the same tanks are connected to each other, and the first burr is formed in each of the first and second tanks and the second burr is formed in each of the third and fourth tanks.

20           3. The stack type heat exchanger as claimed in claim 2, wherein the inlet pipe and the outlet pipe are connected to the first and second tank groups, respectively.

25           4. The stack type heat exchanger as claimed in claim 2, wherein at least one tank of the first tank group and at least one tank of the second tank group are 30 connected each other for circulation of the refrigerant.

35           5. The stack type heat exchanger as claimed in claim 4, further comprising a connection unit which is interposed between the first tank and the

second tank to connect the first tank and the second tank so that the first tank group and the second tank group are connected.

5       6.       The stack type heat exchanger as claimed in claim 5, wherein the connection unit is integrally formed with the plates constituting adjacent unit frames.

7.       The stack type heat exchanger as claimed in claim 2, wherein at least one tank of the third tank group and at least one tank of the fourth tank group are connected each other for circulation of the refrigerant.

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8.       The stack type heat exchanger as claimed in claim 7, further comprising a connection unit which is interposed between the third tank and the fourth tank to connect the third tank and the fourth tank so that the third tank group and the fourth tank group are connected.

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9.       The stack type heat exchanger as claimed in claim 8, wherein the connection unit is integrally formed with the plates constituting adjacent unit frames.